CPTS 583 Deliverable II (2)

Software Documentation

Introduction:

This is an electronic voting system that will enable voters to register and vote for their desired candidates online. Being an automated system, this will ensure credibility of the voting system by managing the vote count online and reducing chances of human error. Candidates can nominate/withdraw their names for the elections.

Localhost Port

http://localhost:8080/

Github Repository

https://github.com/OneLastStop529/Voting-System

Installation & Configuration:

Java SDK 8 or above

MySql

Maven

IntelliJ

The E-Voting system is a web-based application however it has not been deployed yet. The project is running on local host. To run the application, any web browser (Chrome or Microsoft edge) is required. If the localhost:8080 is engaged in some other application, terminate the application through terminal using below commands.

In order to run the project, below configurations are required:

- Web Browser: Chrome/Firefox/Microsoft Edge/Internet Explorer
- JDK 1.8 or klater
- MySQL
- IDE: IntelliJ/Netbeans/Eclipse

Usage Instructions

Cast Vote:

To cast a vote, users will navigate to the homepage and enter their name. System will check whether their record exists in the list of eligible voters from the database. System will also

check if the voter has voted already. In case the record exists in the database and voter has not voted already, system will display a list of all candidates to the voter. Voter will select the candidate they want to vote for and exit the application.

View Result: The functionality to view results is only available from the backend database. The admin user will be able to view the number of votes casted for each candidate in the candidates table inside the database.

The application.properties file contains the credentials of a MySql database which is being used for this application. You will need to setup a MySql and create a database 'VotingSystem' to be able to use the application.

In the database, you will need to run the sql script given below and then login using any of the following names:

Voter Names:

   i.   Voter1
  ii.   Voter2
 iii.   Voter3

SQL Script

use VotingSystem;

INSERT INTO candidates(`id`,`candidate_name`,`number_of_votes`)

VALUES (9,'candidate1','0');

INSERT INTO candidates(`id`,`candidate_name`,`number_of_votes`)

VALUES (10,'candidate2','0');

INSERT INTO candidates(`id`,`candidate_name`,`number_of_votes`)

VALUES (11,'candidate3','0');

INSERT INTO citizens(`id`,`hasvoted`,`citizen_name`)

VALUES (9,0,'voter1');

INSERT INTO citizens(`id`,`hasvoted`,`citizen_name`)

VALUES (10,0,'voter2');

INSERT INTO citizens(`id`,`hasvoted`,`citizen_name`)

VALUES (11,0,'voter3');